

600 E BOULEVARD AVE BISMARCK, ND 58505

\% <u>@</u> \$										/ 69	1011121314	15)
PERMIT NO.:	7-0046									456	NOV 200	
SHOT HOLE OPERATIONS: YES					*NON-EXPLOSIVE OPERATIONS:						D 202	
SECTION 1										C. C. C.	DIVISION	3 (1)
GEOPHYSICAL CO	ONTRACTOR	:									20 16 37 30	
Ovanti PROJECT NAME	UM GEOD AND NUMBE	R.				COUNTY	(S):	1.2				
Beaver Creek					Golden Valley							
T 143 & 144 North					RANGE(S): Ranges 103 & 104 West							
PERMITTED BY:	Bruce	Fulke	r Ouan	tum Ge	eo / Mi	ke Lin	den Ro	cky Mt	tn Peri	nit		
DATE COMMENC	·ED·	1-200			<u>. </u>			10-12			-	
SECTION 2					_							
FIRST S.P. #:						LAST S.F	P. #:					
LOADED HOLES	(UNDETONA	TED SHOT	POINTS)	(14)	see a	ttache	d exit	oit "A'	•			
S.P. #'s:	14											
CHARGE SIZE::	14 5#			_								
DEPTH:	60'											
REASONS HOLES		SHOT:								_		
528131-() 537115,5	bad cap	ം) മിഡല	d over	/ co	ıld not	find	l eads l	•				
531128,5	31129,5		, 58211	8,5881	20,588	175,59	7176,6	530179			04,	
621198	(cap le	ads c	ut / h	oles s	staked	inside	allow	vable o	distan	ces)		
				-								
SECTION 3												
FLOWING HOLE S.P.#'s												
	NO	ne										
PROCEDURE FO	AP DI LICCIA	וה בו השו	NG HOLE	<u> </u>								
PROGEDURE FO	A FLOGGIN	IG FLOW	ING HULE:									
				N/A	A							
_												
Include a 7.5 minu	uta USGS top	ographic d	juadrangle i	парогас	omputer ger	erated post-	plot facsin	nile of the a	ezemixotogi	scale disol	aving each	individual

shot hole, SP #, line #, and legal location.

^{*}Non-Explosive Operations - Complete Section 1 and Affidavit.

AFFIDAVIT OF COMPLETION (GEOPHYSICAL CONTRACTOR)

STATE OF NORTH XXX K BYXX TEXAS)								
COUNTY OF <u>Harris</u>)								
Before me,, a Notary Public in and for the said County and State, this day personally appeared Bruce A Fulker who being first duly sworn, deposes and says that (s)he is employed by								
Quantum Geophysical, Inc. , that (s)he has read North Dakota Century Code Section 38-08.1, that the foregoing seismic project has been completed in								
Century Code Section 38-08.1, that the foregoing seismic project has been completed in accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements on								
the reverse side of this document are true.								
Geophysical Contractor Representative								
Subscribed in my presence and sworn before me this The day of Move 2000.								
Notary Public KENNY FISHER MY COMMISSION EXPIRES FEBRUARY 8, 2003								
INOLAI Y FUDIC								
My Commission Expires FEB. 8#2002								

Attachment to Seismic Completion Report Beaver Creek Prospect Permit # 97-0046

Misfires: 528131

Cap leads cut: 531128

531129

531130

582118

588120

588175

597176

630179

618203

618204

621198

Holes plowed under: 537115

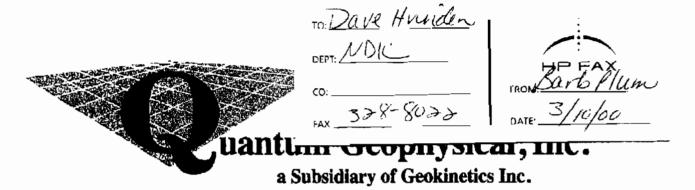
552155

Blowouts: 588192

Total Holes Drilled: 1306 (all 60')

AFFIDAVIT OF PLUGGING (HOLE PLUGGER)
STATE OF NORTH BAKOTA
COUNTY OF Rich and
Before me,, a Notary Public in and for the said County and State, this day personally appeared
who being first duly sworn, deposes and says that (s)he is employed by Surenson Stilling, John, that (s)he has read North Dakota Century Code Section 38-08.1 and that the foregoing seismic project has been plugged in
accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements or the attached documents are true.
Hole Plugger Representative
Subscribed in my presence and sworn before me this 30 day of October , 2000.
NOTARY PUBLIC for the State of Monta was Residing at Sidney, Montana Alix Commission Expires April 19.
My Commission Expires 4-19-2003

AFFIDAVIT OF PLUGGING (HOLE PLUGGER)
STATE OF NORTH DAKOTA)
COUNTY OF Richland
Before me, duplas A Jang , a Notary Public in and for the said County and State, this day personally appeared Tryy Milliams
who being first duly sworn, deposes and says that (s)he is employed by
Century Code Section 38-08.1 and that the foregoing seismic project has been plugged in
accordance with North Dakota Administrative Code Rule 43-02-12 and that the statements or
the attached documents are true.
Hole Plugger Representative Subscribed in my presence and sworn before me this 13th day of October, 2000.
Notary Public august fang
My Commission Expires 4-19-2003



SEISMOGRAPH PERMIT

North Dakota State Land Dept

Prospect: Beaver Creek

Permit valid for one (1)
year from approval date.

Pennit #2

QUANTUM GEOPHYSICAL, INC. is requesting permission to conduct geophysical operations across property owned and/or leased by you in Golden Valley County North Dakota, and is further described as follows:

Township 144 North Range 104 West Section 36 All 40 Net Acres

SURFACE OWNER

State of ND

MINERAL OWNER

State of ND

MINERAL LESSEE

Open

SURFACE TENANT/LESSEE

Raymond Tescher 15470 Tescher Rd. Beach, ND 58621 (701) 872-4439

CONDITIONS:

Client: Equity Of Company \$3.00 per acre to be split with surface lessee (1/2 payment to be paid directly to surface lessee) Contact lessee prior to Entry 3 D Shothole 5 # @ 60'

Our operations will be conducted in a prudent and careful manner. We will indemnify you from all claims and damages that might result from our work by virtue of your permission granted herein.

We would appreciate your signature on this agreement, indicating your consent and permission to enter on said acreage/minerals for this seismic survey.

Approval Granted this

Social Security or Tax ID 45-6002470

Address PO Box 5523

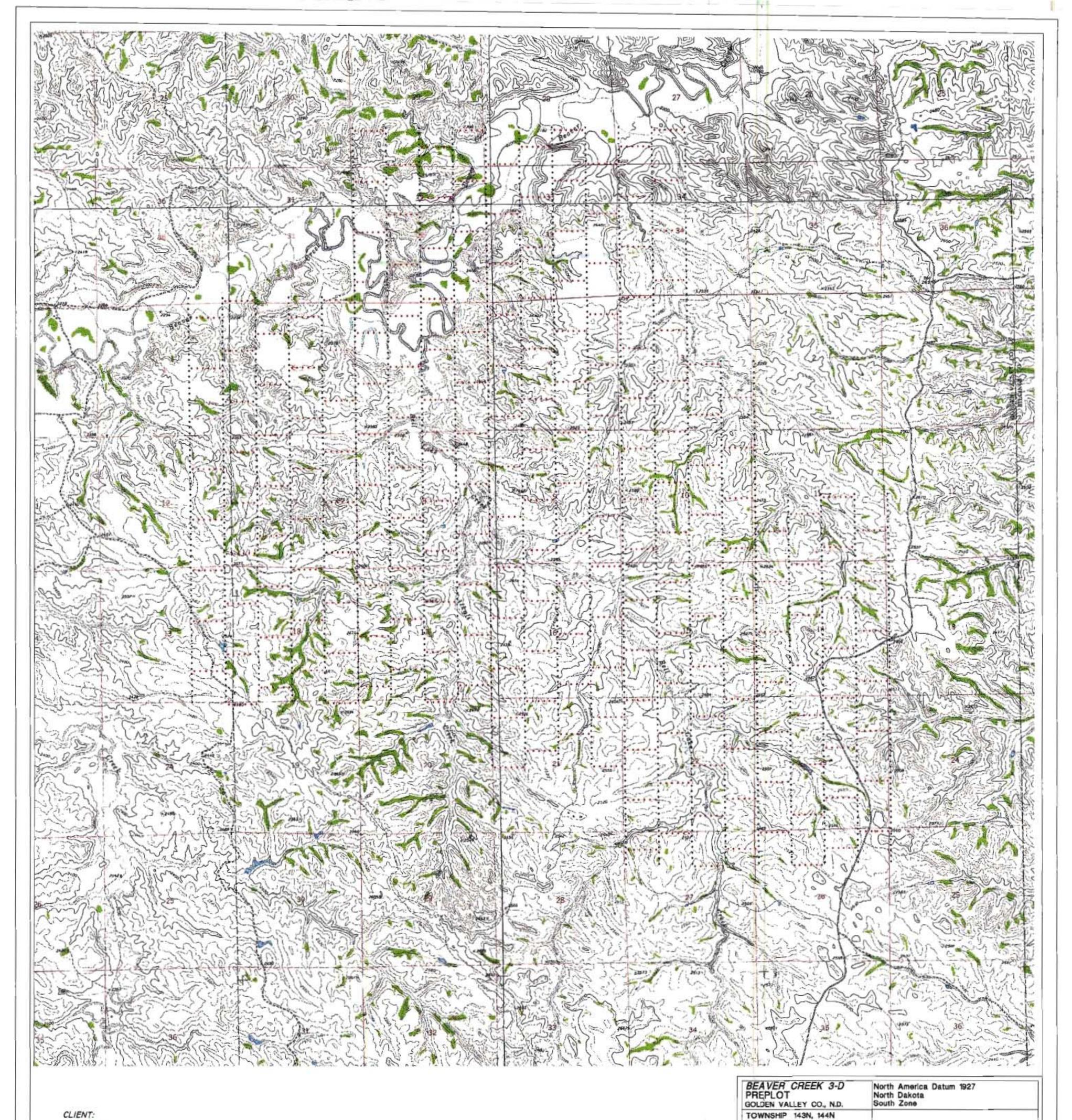
Bismarck, ND 58506-5523

Telephone # (701) 328-2804

Permit Agent (5) Quil

Telephone: (713) 850-9799

On any correspondence, please refer to the Prospect and Permit No. Our home office address is 8401 Westheimer, Suite 150, Houston, Texas 77063. The telephone number is (713) 850-9799.



CLIENT:

EQUITY

CONTRACTOR:



PERMITTING, SURVEYING, AND G.I.S. DONE BY:



ERICKSON CONTRACT SURVEYING ES 374 STREET S.N. SERET, W. SREPOOTPEZ: 886-404-0000 FAX 405-182-6103 F-MINI HARRY MARKET

FIRE HAZARD III VERY DRY III NARROW ROADS - STAY RIGHT 35 MPH SPEED LIMIT ON PROSPECT

NARROW AND VERY DEEP WASHES IN TALL GRASS

DEEP WASHES AND UNDERMINED SINK HOLES

TICKS, BULL SNAKES, RATTLESNAKES IIIII

LOW OVERHEAD POWER LINES

WILDLIFE ON HIGHWAYS

HAZARD REGISTRAR

SLOW DOWN NEAR FARM YARDS PIPELINES AND PIPERISERS HIDDEN INTERSECTIONS AND BLIND CORNERS ROCKS IN TALL GRASS, DRIVE SLOW WITH QUADS AND TRUCKS

REMEMBER YOUR ORANGE

KNOW SAFETY NO PAIN NO SAFETY KNOW PAIN

ROUGH TERRAIN

SOURCE PARAMETERS SOURCE LINE INTERVAL: 1980' x 660' RECEIVER LINE INTERVAL: 1320' DYNAMITE SHEET 1 OF 1 SCALE: 1:24000 SOURCE LINE AZIMUTH: 90d 00' 02" JAN. 19, 2000 1" = 2000" RECEIVER LINE AZIMUTH: 0d 00' 00" BRANN BY, DIGHTON ERICKSON / DARREN SULT CHECKED BY INCHION BRICKED C.C. W. R BUT LIABLE FOR IMMERIUMENE UPLINES & ALL TOPO FEATURES ON THE HUP ATC APPROXIMATE DRLY.
IT IS ELLE, DIC FOLICY TO STANS ALL PERFOR FROM A MEMBER OF 1800 FIRST WATCHVILLE, DEBAGE, CO-MILLE, AND ANY SYMMETERS, EVE ATC SOMED FROM IN LOCALES THAN 1800 TO MAINTHINE, AS OF MICHOS HAVE BEEN MEMBER THE OPECATION OF THE CLEAN. THEREFORE, C.C.S. W. ASSLADE TO LIBELITY OF ANY SOURCE POINT OLDER THAN 1800 TO TO THE MEMBER MEMBER FROM INC. LEGEND # GATE FENCE COUNTY ROAD HUMBER STOCK DAM HIGHWAY NUMBER WATERWAY IMPROVED GRAVEL ROAD ■ HOUSES / OUTBUILDINGS - OVERHEAD POWER LINES = = = UNINPROVED GRAVEL ROAD TRAIL / 2-TRACK ----- UNDERGROUND POWER LINES ----- PAVED ROAD PIPE LINES W/ 100' BUFFER RECEIVER PONTS

OIL WELLS - DRY HOLE HAZARDS

RALROAD TRACKS

RANGE 103W, 104W

SOURCE PT INTERVAL: 220' RECEIVER PT INTERVAL: 220'

SPRINGS 330 - 660

POSTPLOT SOURCE POINTS

PREPLOT SOURCE POINTS

WATER WELLS - 330"

TOTAL SOURCE PTS: 1332
TOTAL RECEIVER PTS: 2086
AREA (SQUARE MILES): +/- 20 SQ. MI.

920046





600 E BOULEVARD AVE BISMARCK, ND 58505

						الله الله الله الله الله الله الله الله				
1) a. Company: Address:										
Quantum Geophysical, Inc.				840l Westh	eimer. Ste	1 1 7	7063			
Contact:		_		Telephone: Fax:						
Bruce Fulker				(71	3) 850-9799	9	(713) 850-7783			
Surety Company:				Bond Amount:			Bond Number:			
Bank of	North Dakot	a		\$50	.000.00		GEO_300			
2) a. Subcontractor(s):				Address:			Telephone:			
Wildernes	s Exploration	n		PO Box 91 Sidney, MT 59270				482-1219		
b. Subcontac	ctor(s):			Address:				Telephone:		
c. Subcontra	ctor(s):		_	Address:				Telephone:		
3) Party Manage	er: Billy Flip	 ро		Address:			Telephone:			
							Cell:	(713) 824-6256		
4) Project Name or Line Numbers: Beaver Creek										
5) Exploration N	Sethod (Shot Hole	. Non-Ex	plosive.	2D. 3D):						
5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D):										
3 D shot hole survey 6) Approximate Drilling Start Date: Approximate Completion Date:										
or Approximate	Dinning Start Date		il 15,	2000	Approximate		May 10,	2000		
THE COMMIS	SSION MUST BE				I ADVANCE OI			LL/PLUG OPERATIONS		
7) Location of P	roposed Project -	County								
			Golder	Valley Cour	ity					
Section(s), To	ownship(s) & Ran	ge(s)		sec. 32,33,3	34	T 144 N		R 103 W		
				Sec. 1.12,13	Ŀ	T 143 N		R 104 W		
				Sec. 3,4,5,6	5.7.8.9.10	T 143 N		R 103 W		
				11,14,15	,16,17,18,			R 103 W		
P) Size of Union	A - t - c Charac	Dandh	Chasa n	Sec. 21,22,23	,27,28					
5) Size of Hole	B) Size of Hole Amt. of Charge Depth Shots per Mi.(sq.mi.) Shots per Mi.(sq.mi.) Geophysical ID a. Plugger ID b. Plugger ID c. Plugger ID									
3"	5 #	601	64	20	QG					
9) Anticipated s	pecial drilling and	plugging	I procedu	res? ND Cent		hapter 38-08.	<u> </u>			
			•		-	-		Plugging Requireme		
10) Enclose a pre-plot map with proposed location of seismic program lines and powder mag.										
Ciad-										
Signed:				Title: Permit Supervisor				Date: 01-17-00		
(This space for State office use) Conditions of Approval if any:										
					Il the renter Al will the out					
Approved By: Suited & Hen to The: Levylingeal Kirphintens Anxioner County Approval Sent: While Market Market Sent County Approval Sent: While Market Market County Approval Sent: While Mark										
Title: Levely and state depresentation Anyxounce u. t. 1201- 272 2021) rein to dulling							restricted ren			
County Approval S	ent Caldin Lib	Cy 3/	14/00			Mulin (767-957	1736) U January	ie furniku Puper		
		/		*See Instructions	On Reverse Si	de Maliest !	Cast de	Hl 2/14/00		

NORTH DAKOTA INDUSTRIAL COMMISSION

OIL AND GAS DIVISION

Lynn D. Helms DIRECTOR http://explorer.ndic.state.nd.us

Bruce E. Hicks ASSISTANT DIRECTOR

February 14, 2000

Bruce Fulker Quantum Geophysical 5555 San Felope, Ste. 550 Houston TX 77478

RE: GEOPHYSICAL EXPLORATION PERMIT NO 97-0046

BEAVER CREEK

GOLDEN VALLEY COUNTY

Dear Mr. Fulker:

This letter will verify the approval of the above-captioned Geophysical Permit effective February 14, 2000.

Please feel free to contact Mr. David Hvinden, Geophysical Regulations Supervisor if you should have any questions.

Sincerely,

Marge Rixen

Legal Assistant

/mr

Enc.

NORTH DAKOTA INDUSTRIAL COMMISSION

Lynn D. Helms DIRECTOR

http://explorer.ndic.state.nd.us

Bruce E. Hicks ASSISTANT DIRECTOR

Ms. Judy Sutherland

Golden Valley County Tax Director

P.O. Box 67

Beach, N.D. 58621

Geophysical Exploration

Permit # 97-0046

Sue Junton Dear Ms. Sutherland:

Pursuant to Section 38-08.1-04.2 of the North Dakota Century Code, please be advised that Quantum Geophysical, Inc. was issued the above captioned permit on February 14, 2000 and will remain in effect for a period of one year.

Should you have any questions, please contact our office.

Sincerely,

Mile C. Priede
David C. Hvinden

Geophysical Regulation Supervisor

DCH/dh